NC/QC/PD/MW-01/2017-18/OS-C1 **Date: 15-03-2018**

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : BHARATHI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**150 min**	Shall not be less than 30 min
2	Final setting time	**262 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**2.02 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**1.85 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results) b) 7 days (average of three results)	**28.74 N/Sq mm** **40.10 N/Sq mm**	Shall not be less than 27 N/Sqmm Shall not be less than 37N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

KIRAN. R
M.E, (Civil-Engg)
For Newzen Consultants Bangalore

Proprietor

Page No. 1/1,

Asst. Executive Engineer
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Dasarahalli Zone,
Bruhat Bangaluru Mahanagara Palike

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NC/QC/PD/MW-01/2017-18/OS-PCC1 Date: 15-03-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	96.10	85-100	95 – 100
20mm	59.30	0 -20	30- 70
10mm	31.85	0 -5	10- 35
4.75mm	Nil	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	98.35	90-100	90-100	90-100	The Sample Conforms to Grading Zone-II
02.36	84.70	60-95	75-100	85-100	
01.18	62.40	30-70	55-90	75-100	
600. mic	39.15	15-34	35-59	60-79	
300.mic	18.60	5-20	8-30	12-40	
150.mic	7.55	0-10	0-10	0-10	

*As Furnished by Client.
The Results relate only to the items tested.

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NC/QC/PD/MW-01/2017-18/OS-C2 Date: 17-03-2018

1. TEST REPORT ON CEMENT:

Sub: Testing of 53 Grade Cement Sample (IS 12269-1987).
{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

PHYSICAL TESTS ON CEMENT

Brand : BHARATHI
Grade * : 53,
Type * : O.P.C

TABLE 1.1:

SL No	Name of Test	Test Results	Requirements as per IS 8112-1989
1	Initial setting time	**164 min**	Shall not be less than 30 min
2	Final setting time	**246 min**	Shall not be more than 600 min
3	Fineness (by dry sieving on IS 90 micron sieve)	**1.94 %**	Not to exceed 10.0%
4	Soundness test(by Le-Chatelier's method)	**2.17 mm**	Shall not be more than 10 mm
5	Compressive strength a) 3 days (average of three results) b) 7 days (average of three results)	**29.16 N/Sq mm** **40.67 N/Sq mm**	Shall not be less than 27 N/Sqmm Shall not be less than 37N/Sqmm

*As furnished by Client.
The Results relate only to the items tested.

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NC/QC/PD/MW-01/2017-18/OS-PCC2

Date: 17-03-2018

1. TESTING OF COARSE AND FINE AGGREGATES:

Sub: Testing of Coarse and Fine aggregates to be used for M-10 grade concrete .
{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.

1. COARSE AGGRGATES Table - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage passing	Requirements as per IS 383-1970 (Reaffirmed on 2007) % Passing	
	40 mm Sample	Single size	Graded
40mm	98.40	85-100	95 – 100
20mm	64.10	0 -20	30- 70
10mm	13.75	0 -5	10- 35
4.75mm	3.20	------	0- 5

2. FINE AGGREGATES TABLE - SIEVE ANALYSIS :

IS Sieve Size, mm	Percentage Passing	Specification as Per IS: 383-1970(Reaffirmed 2002) Percentage Passing			Remarks
		Zone-I	Zone-II	Zone –III	
04.75	97.55	90-100	90-100	90-100	The Sample Conforms to Grading **Zone-II**
02.36	85.15	60-95	75-100	85-100	
01.18	63.60	30-70	55-90	75-100	
600. mic	40.20	15-34	35-59	60-79	
300.mic	13.95	5-20	8-30	12-40	
150.mic	3.70	0-10	0-10	0-10	

*As Furnished by Client.
The Results relate only to the items tested.

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NEWZEN CONSULTANTS BANGALORE

NEW TECHNOLOGIES TO INNOVATE

NC/QC/PD/MW-01/2017-18/OS-SSM1 **Date: 19-03-2018**

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.

{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}

Ref.: Material testing/PMC/17-18,

Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.

Name of the Agency/Contractor*: Technical Manager, KRIDL.

Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1322.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.43 %**	Not more than 2.0 %

*As Furnished by Client.

The Results relate only to the items tested.

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NC/QC/PD/MW-01/2017-18/OS-SSM2 Date: 21-03-2018

1.TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.
Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1346.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.41 %**	Not more than 2.0 %

*As Furnished by Client.
The Results relate only to the items tested.

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NC/QC/PD/MW-01/2017-18/OS-SSM3 Date: 23-03-2018

1. TESTING OF STONE SAMPLE :

Sub: Testing of Size stone.
{Project*: Construction of Out Door Stadium (Phase-1) Sy No.33 in Ward No.13.}
Ref.: Material testing/PMC/17-18,
Report Required for: Assistant Executive Engineer,
Project Division, Dasarahalli Zone,
BBMP, Bangalore.
Name of the Agency/Contractor*: Technical Manager, KRIDL.
Technical Reference: IS 1121(Part 1) -1974 (R.A on 1998)

Table 1.1 :

SL No	Details of Tests	Observed Value	Normal Values
01	Compressive Strength	**1366.00** Kg/ Sqcm	Not less than 1000.00 Kg/Sqcm
02	Water absorption,%	**0.43 %**	Not more than 2.0 %

*As Furnished by Client.
The Results relate only to the items tested.

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